

WHAT IS CLAIMED:

1. A luer connector comprising:
 - a female fitting having an open end including a bore and an opening at the end of the bore, wherein the bore has a taper and the opening has a diameter D as specified in ISO International Standard 594; and
 - a male fitting having a projection which fits within the bore of the female fitting, the male fitting further including a fluid passage which extends through the projection and has an effective inner diameter of at least about 0.130 inch.
2. A male fitting of a luer connector which is capable of being coupled to a female fitting having an open end which includes a bore having a taper and an opening having a diameter D as specified in ISO International Standard 594, the male fitting comprising:
 - a projection which is capable of fitting within the tapered bore of the female fitting and
 - a fluid passage which extends through the projection and has an effective diameter of at least about 0.130 inch.
3. The luer connector or male fitting of any of the claims wherein the male fitting comprises a body which includes the projection, the fluid passage extending through the body.
4. The luer connector or male fitting of claim 3 further comprising an arrangement which secures tubing to the male fitting.
5. The luer connector or male fitting of any of the claims further comprising an interlock mechanism which interlocks the male fitting and the female fitting.
6. The luer connector or male fitting of claim 5 wherein the interlock mechanism includes a mechanical coupling.
7. The luer connector or male fitting of any of the claims wherein the projection of the male fitting has a taper which is substantially equal to the taper in the bore of the female fitting.

8. The luer connector or male fitting of any of the claims wherein the length of the projection from the open end is less than about 0.295 inch.
9. The luer connector or male fitting of claim 8 wherein the length of the projection is in the range from about 0.180 inch to about 0.190 inch.
10. The luer connector or male fitting of any of the claims wherein the projection has an outer diameter at the open end which is less than about 0.170 inch.
11. The luer connector or male fitting of any of the claims wherein the effective inner diameter is greater than about 0.140 inches.
12. The luer connector or male fitting of claim 11 wherein the effective inner diameter is about 0.143 inch +/- 0.003 inch.
13. An insufflation set comprising an inlet end, an outlet end, a gas flow path between the inlet end and the outlet end, a filter disposed in the gas flow path, and a luer connector or a male fitting as claimed in any of the claims connected in the gas flow path.